STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE DETAIL SHEET 1

Metric

STATION km + m	STATION km + m	POS.	PIPE ID NUMBER	INLET/OUTLET TYPE INLET	INLET/OUTLET TYPE OUTLET	DITCH IN	DITCH OUT	PIPE ARCH SPAN mm	PIPE ARCH RISE mm	PIPE ARCH L m	PIPE D mm	PIPE L m	ALLOWABLE OPTIONS PCCSP mm	CAAP mm	RCP CL	CSP mm	CPEP SL	PCCSP Pi mm	PIPE ELBOW no. deg	ES ea	CB ea	PRECOI	DEPTH CB m	CONC CLASS B m³	REINF STEEL kg	DI GRATE type	CHAN ELEV ea	CRM m³	TRENCH EXCAVATION EARTH m³	TRENCH EXCAVATION ROCK m³	COMM EXC m³	UNC CHAN EXC m³	STRUCT EXCAV m³	GRAN BKFILL STRUCT m³	GRAN BORR m³	EROS MATT m²	STONE FILL m³	STONE FILL type	MARKER POSTS LT ea	MARKER POSTS RT ea	GEO UNDER SF m²	REMARKS
US 7																																										
16+495.5	16+495.5	RT	b1-1a	SHW							900	5.9			III		X							4.30	363.0				10.3					1.9						1		CULVERT-END SAFETYGRATE
16+495.5	16+495.5	C/L	b1-1	PRCCB	SHW						1050	18.8	2.77	2.67							1.8		3.1	6.27	449.0	1-COVER			119.4					6.5			4.00	II	1		15.1	
16+495.6	16+504.1	RT/LT	ex16501																										15.9	2.0												REMOVE
16+495.5	16+540.0	RT	b1-2	PRCCB							900	42.7			III		X				1.8		2.4			1-COVER			134.6					13.5								
16+540.0	16+540.0	RT	b1-2a	ES							750	6.1	2.01	1.91	III		X			1									6.2					1.8						1		CULVERT-END SAFETYGRATE
16+540.0	16+604.0	RT	b1-3	PRCCB							750	62.4	2.01	1.91	III		X				1.5		2.2			1-COVER			123.5					18.3								
16+604.0	16+604.0	RT	b1-3a	ES							600	6.1	1.63	1.52	III		X			1									3.3					1.6						1		CULVERT-END SAFETYGRATE
16+538.2	16+539.6	LT/RT	ex16538																										29.8													REMOVE
16+603.0	16+604.2	LT/RT	ex16603																										29.4													REMOVE
16+725.0	16+736.3	RT	dr16725	ES	ES						450	11.3			IV		X			2														2.7						2		
16+719.8	16+743.6	RT	ex16725																																							REMOVE
16+800.0	16+800.0	C/L	c1	CHW	SHW						1200	29.8	2.77	2.67										9.21	726.0				141.9					11.0			5.20	II	1	1	18.0	
16+800.0	16+800.5	LT/RT	ex16800																																							REMOVE
16+901.6	16+906.4	RT/LT	c2	SHW	SHW						1200	30.5	2.77	2.67										14.70	1070.0				291.0					11.2			51.80	III	1	1	88.2	
16+903.3	16+903.8	RT/LT	ex16903																										46.0													REMOVE
17+008.0	17+008.0	C/L	c3	ES							750	31.5	2.01	1.91						1									155.8					9.2			4.30	II	1	1	17.3	
17+008.0	17+008.2	RT/LT	ex17008																																							REMOVE
17+060.0	17+069.4	RT	dr17065	ES	ES						375	9.4	1.63	1.52	III		X			2																				2		
17+100.0	17+160.0	RT	d1-0B	PRCCB							375	59.0			III		X				1.2		1.3			1-A			157.0					13.3								
17+160	17+200	RT	d1-0A	PRCCB							600	39.0			III		X				1.2		1.8			1-STEEL			136.5					10.2								
17+181.7	17+200.5	LT/RT	ex17195																										215.9	3.0												REMOVE
17+182.0	17+200.0	LT	d1-00	PRCCB	CHW						1050	20.0			III						1.8		3.5	1.72	172.0	1-COVER			146.2					6.9			12.20	III	1		30.1	
17+200.0	17+200.0	C/L	d1-0	PRCCB							900	23.0			III		X				2.1		2.1			2-STEEL			151.0					7.2					1	1		
17+200.0	17+240.0	LT	d1-00A	PRCCB							450	38.2			III		X				1.2		1.6			1-A			84.7					9.0								300 mm DITCH CHECK
17+200.0	17+273.0	RT	d1-1	PRCCB							600	72.0			III		X				1.5		2.1			2-A			314.5					18.9								300 mm DITCH CHECK
17+273.0	17+315.3	RT	d1-2	PRCCB							450	41.5			III		X				1.2		2.1			1-D			115.7					9.8								
17+315.3	17+357	RT	d1-3	PRCCB							450	40.5			III		X				1.2		1.9			1-D			101.9					9.6								
17+320.0	17+357.0	LT	d-3	PRCCB	ES						375	35.5			III		X			1	1.2		1.4			1-A			65.7					8.0					1			
17+342.4	17+354.5	LT	ex17350																										4.8													REMOVE
17+357.0	17+404.5	RT	d1-4	PRCCB							450	46.9	1.63	1.52	III		X				1.2		2.1			1-D			130.2					11.1								
17+357.5	17+371.3	LT	ex17360																										14.4	3.0												REMOVE
17+404.5	17+428.0	RT	d1-5	PRCCB							450	22.5	1.63	1.52	III		X				1.5		2.4			1-D			76.4					5.3								
17+412.7	17+424.8	LT	ex17420																										3.6													REMOVE
17+428.0	17+428.0	C/L	d1-5X	PRCCB							450	13.9			III		X				1.2		1.4			1-A			27.6					3.3								
17+428.0	17+485.0	RT	d1-6	PRCCB							450	56.3	1.63	1.52	III		X				1.2		1.6			1-A			148.3					13.3								
17+485.0	17+520.0	RT	d1-7	PRCCB							450	34.0	1.63	1.52	III		X				1.5		2.0			1-A			105.1					8.0								200 mm DITCH CHECK
17+520.0	17+520.0	C/L	d1-7X	PRCCB							450	14.4			III		X				1.2		1.9			1-D			23.1					3.4								
	SUBTOTALS SHEET 1										375	9.4	1.63	1.52	III		X			2	-			36.20	2780.0	-			3129.7	8.0				215.0				I	7	11	168.7	
											375	94.5			III		X			1	-	-				-	-									13.5	II				
											450	159.7	1.63	1.52	III		X				10	1.2				8	A									64.0	III				
											450	148.5			III		X				4	1.5					B														
											450	11.3			IV		X			2	3	1.8				5	D														
											600	6.1	1.63	1.52	III		X			1	1	2.1					E														
											600	111.0			III		X					2.4				4	COVER														
											750	68.5	2.01	1.91	III		X			1						3	STEEL														
											750	31.5	2.01	1.91						1																					
											900	71.6			III		X																								
											1050	18.8	2.77	2.67																											
											1050	20.0			III																											
											1200	60.3	2.77	2.67																											

PROJECT NAME:	BRANDON
PROJECT NUMBER:	NH 019-3(495)
FILE NAME: zb008_5dds.xls	PLOT DATE: 9/1/2009
PROJECT LEADER: CRB	DRAWN BY: NLL
DESIGNED BY: PTS	CHECKED BY: DAM
DRAINAGE DETAIL SHEET # 1	SHEET 16 OF 546

zb008s5_ddsOl.dgn